SHEET INDEX DESCRIPTION TITLE SHEET PLAN AND PROFILE OF SASSAFRAS COURT AND IMPROVEMENTS TO GUILFORD ROAD GRADING, SEDIMENT CONTROL, DRAINAGE AREA MAP, PROFILES AND DETAIL SHEET DETAIL SHEET

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE. 2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECCESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST

3. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.

4. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION

5. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AY LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.

6. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREFT AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.

7. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.

9. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, 1990 AMENDMENTS.

10. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD. 11. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HO.CO. ROAD DESIGN MANUAL

12. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM,

13. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A

15. PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN

16. SUBJECT PROPERTY ZONED R-SC PER 8-20-85 COMPREHESIVE ZONING PLAN.

19. ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4.

21. LIGHT POLES AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME III - ROAD AND BRIDGES, PAGE 4A-2

22. THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM

STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS.
PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. ANY PAVEMENT SECTIONS DETERMINED BY THE GEOTECHNICAL ENGINEER THAT

23. TOPOGRAPHY SHOWN HEREON IS FROM FIELD SURVEY BY RIEMER MUEGGE & ASSOC., INC.

24. PUBLIC WATER AND SEWER SYSTEMS (CONTRACT NO. 24-3211-D) ARE TO BE UTILIZED

26. THE REQUEST TO WAIVE SECTION 2.4.1 OF THE DESIGN MANUAL VOLUME III WHICH PERTAINS TO PROVIDING A 50' RIGHT OF WAY AND A 28' PAVEMENT WIDTH FOR CUL-DE-SAC WAS WAIVED TO ALLOW FOR A 40' RIGHT OF WAY AND A 24' PAVEMENT

27. THE PLANTING OF THE 80'LANDSCAPED BUFFER AREAS SHALL BE DONE BY

20. ALL HANDICAP RAMPS ARE TO COMPLY WITH CURRENT A.D.A. REQUIREMENTS.

THE BUILDER IN ACCORDANCE WITH THE DITE DEVELOPMENT PLANS.

25. STORMWATER MANAGEMENT FOR THIS DEVELOPMENT WILL BE PROVIDED BY AN INFILTRATION / DETENTION BASIN.

IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD, SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL

8. ALL STREET CURB RETURNS SHALL HAVE 25' RADII UNLESS OTHERWISE NOTED.

BELL TELEPHONE SYSTEM

LONG DISTANCE CABLE DIVISION
BALTIMORE GAS AND ELECTRIC CO.

HOWARD COUNTY BUREAU OF UTILITIES COLONIAL PIPELINE

VOLUME TIL ALL CUL PE DAC STREETS < 600'LONG

14. ALL PIPE ELEVATIONS SHOWN ARE INVERT OF ELEVATIONS.

ALL 80' RIGHT OF WAYS

ENGINEER SHALL BE FURNISHED BY THE OWNER.

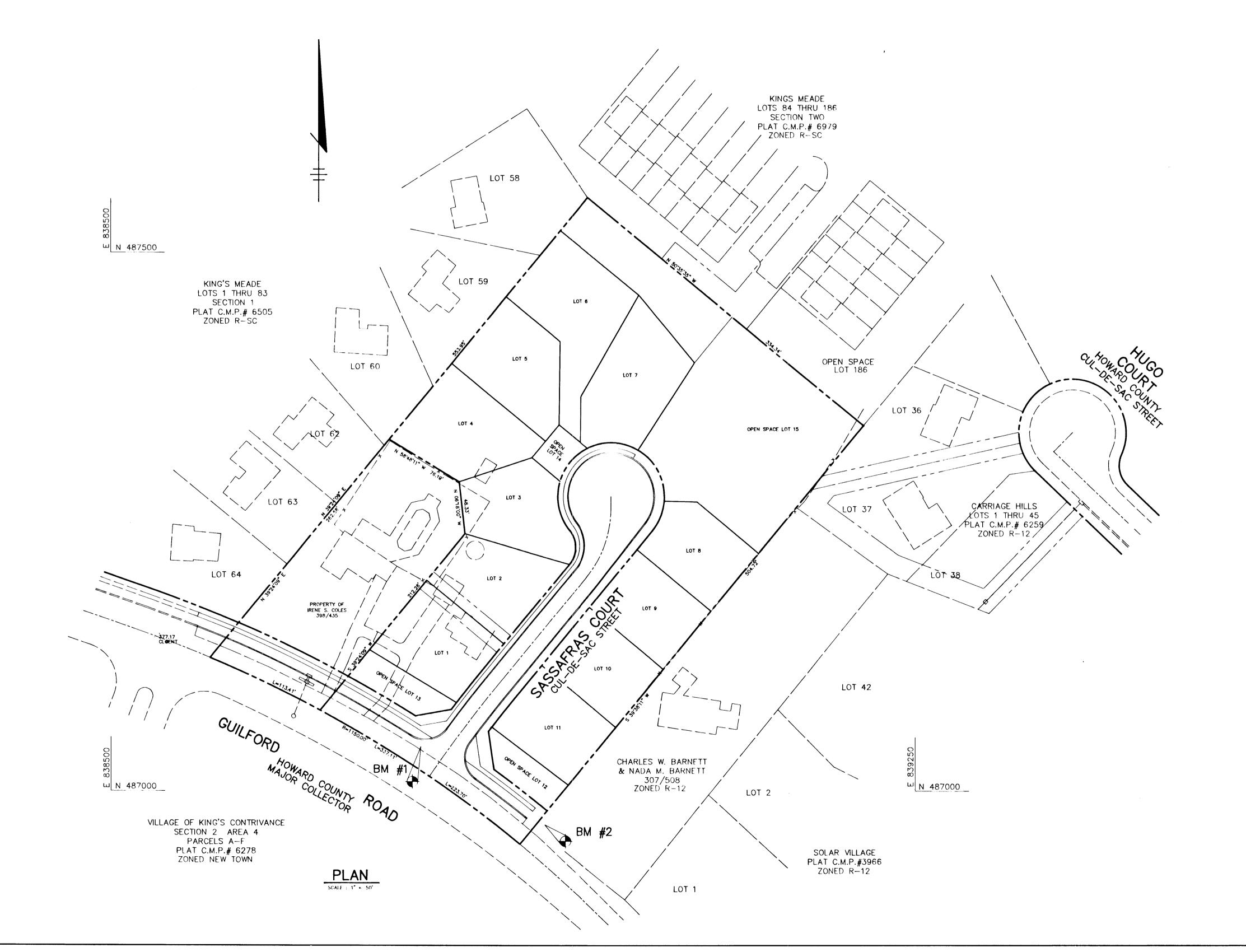
INSPECTION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.

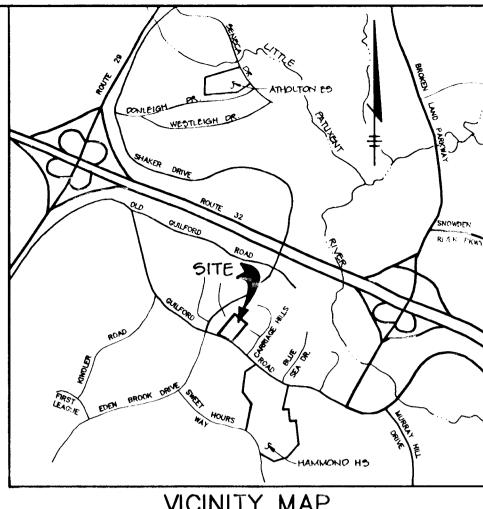
393-3553 OR 3554

ROADWAY, STORM DRAIN & STORMWATER MANAGEMENT COIES PROPERTY

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



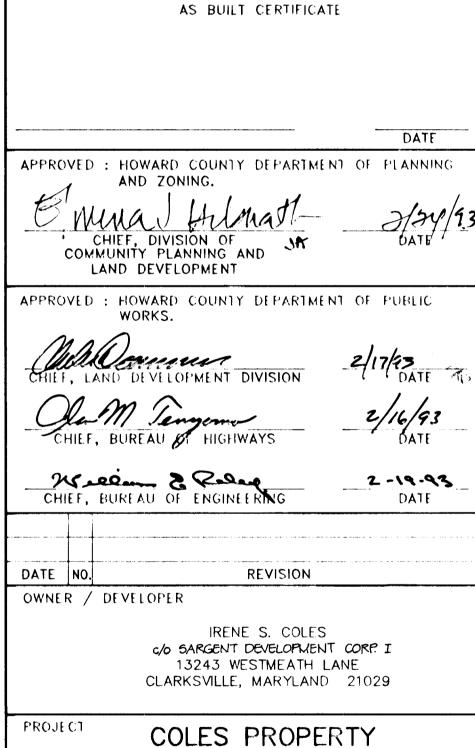


VICINITY MAP

BENCHMARKS

N 487041.410 E 838788.085 ELEV 375.134 CONC. MON. 7'± N. OF N. EDGE ROAD, 0.3' BFLOW SURFACE

HO.CO. MONUMENT 2240012 N 486968.704 E 838903.564 ELEV N/A CONC. MON. 0.3' ABOVE SURFACE



LOTS 1 THRU 15

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

AREA TAX MAP NO. 42 PARCEL 12 & P/O 373 ZONED R - 50

TITLE SHEET

A Land Planning, Engineering and Consulting Firm

8818 Centre Park Drive • Suite 200 • Columbia, Md 21045

FAX: 410-997-9282

DESIGNED BY : CJR

PROJECT NO: 84502

DATE: JANUARY 15, 1993

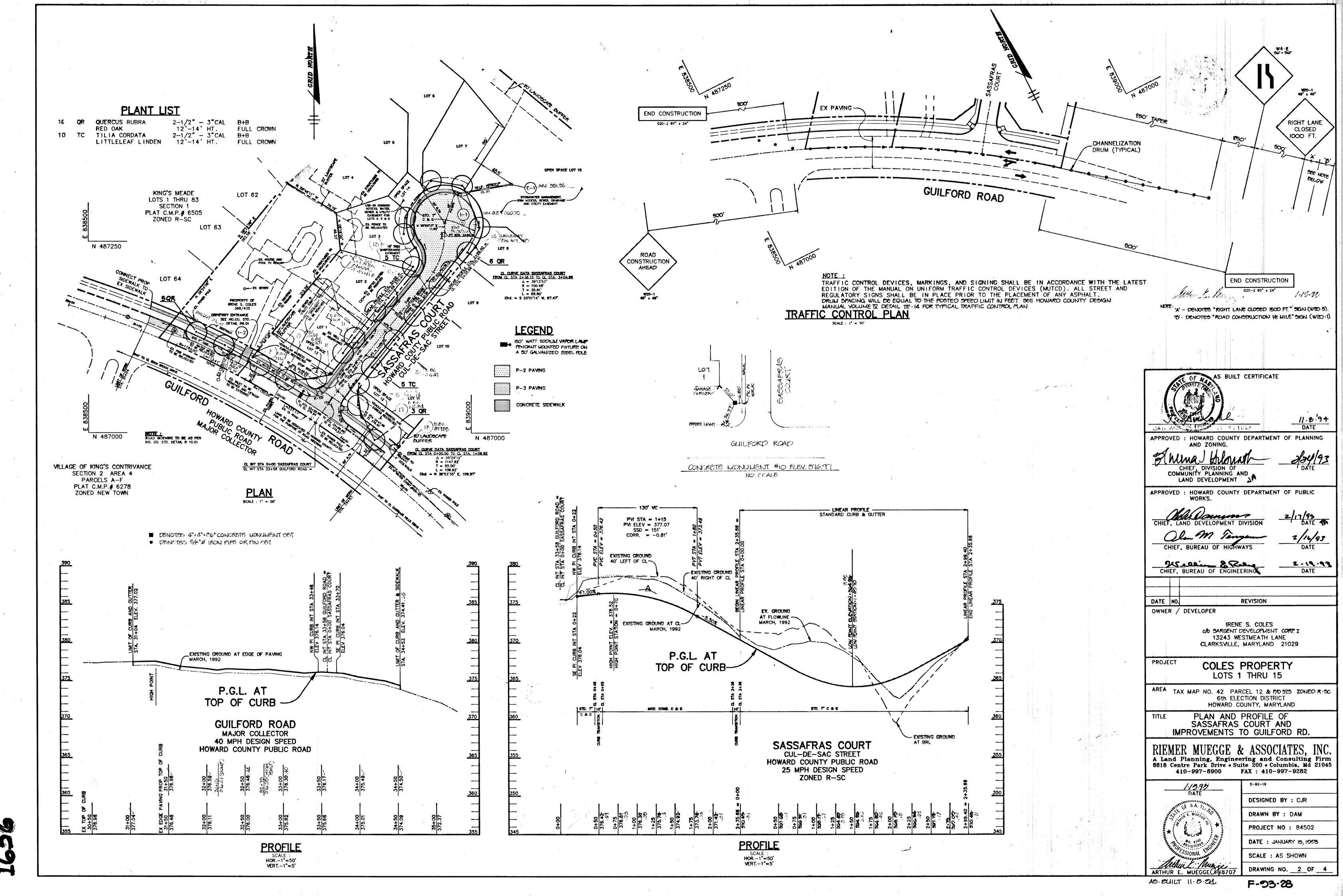
DRAWING NO. 1 OF 4

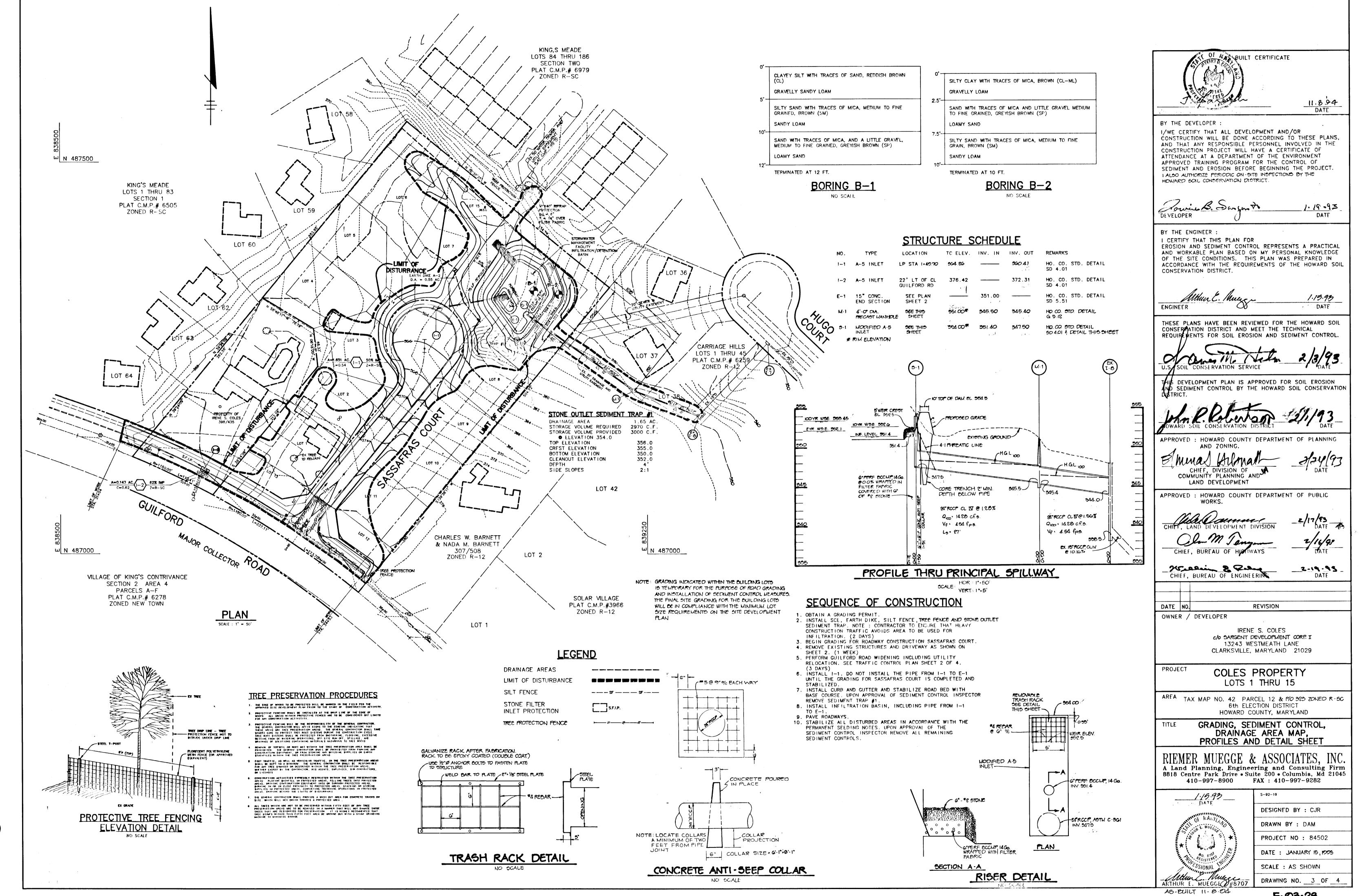
DRAWN BY : DAM

410-997-8900

TITLE

SCALE : AS SHOWN





والمستوية والمنتقون والمنافي والمنافر والمنافر والمنافرة والمنافرة والمنتقون والمنتقون والمنتقون والمنتقون

PERMANENT SEEDING

Seedbed Preparation: Flat areas and slopes up to 3:1 slope shall be loase and friable to a depth of at least 3 inches. The top layer of sall shall be loasened by raking, discing or other acceptable means before seeding. Slopes steeper than 3:1 shall have the top 1 to 3 inches of sall loose and friable

Soil Amendments: Use one of the following schedules.

Lime and fertilize according to sall tests. Lime and fertilizer needs can be determined by a soil testing laboratory, such as the University of Maryland's Soil Testing Laboratory. In lieu of soil test results, use one of the following schedules.

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 LBS/1000 SF) and 600 LBS per acre 10-10-10 fertilizer (14 LBS/1000 SF) before seeding. Horrow or disc into upper three inches of soil. At time of seeding, apply 400 LBS per acre 30-0-0 ureaform fertilizer (01 LBS/1000 SF)

2) Acceptable - Apply 2 tons per ocre dolomitic limestone (92 LBS/1000 SF) and 1000 LBS per acre 10-10-10 fertilizer (23 LBS/1000 SF) before seeding. Horrow or disc into upper three inches of soil. On slopes steeper than 3:1 slope, the lime and fertilizer shall be worked the

best way possible. On simpling land, the final horrowing or discing operation should be on the contour wherever feasible. No attempt should be made to drag any disced area to make the sail surface smooth after discing

For the periods March 1 thru April 30, and August 1 thru October 15. Seed For the period May 1 thru July 31. Seed with 60 LBS Kentucky 31 Tall Fescue per acre and 2 LBS per acre (.05

For the period October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring.
Option (2) Use sod. Option (3) Seed with 60 LBS/acre (1.4 LBS/1000 SF) Kentucky 31 Tall Fescue

and mulch with 2 tons per acre well—anchored straw. hydroseeder (slurry includes seed and fertilizer) on a firm, maist seedbed Maximum seeding depth should be 1/4 inch on clayey solls and 1/2 inch on sandy soils, when using other than hydroseeder method of application. Note If hydroseeding is used and the seed and fertilizer is mixed, they shall be mixed on site and the secding shall be immediate without interruption

Mulching: See Mulching Specification.

If soil moisture is deficient, supply new seedings with adequate water for plant growth until they are firmly established, if feasible. This is especially true when seedings are made late in the planting season, in abnormally dry or hat seasons, or on adverse sites.

Irrigation - If sail maisture becomes deficient, irrigate to prevent loss of stand of protective vegetation, if feasible. Repairs - Inspect oil seeded areas for follures and make necessary repairs replacements, and reseeding within the planting season, it 1) If stand is inadequate for erosion control, overseed and fertilize using half of the rates originally applied.

2) If stand is over 60% damaged, reestablish following original lime fertilizer, seedhed preparation and seeding recommendations.

TEMPORARY SEEDING

Seedhed Preparation:

When the area to be seeded has been recently loosened to the extent that an adequate seedbed exists, no additional treatment is required. However, when the area to be seeded is packed, crusted, and hard, the top 3 inches of soi shall be loosened by discing, roking or other acceptable means before

For temporary seedings, fertilizer shall be applied at the rate of 600 LBS per acre (15 LBS/1000 SF), using 10-10-10 or equivalent. Soils which are highly acid should be limed.

For periods Morch 1 thru April 30 and August 15 thru November 15. Seed with 2 1/2 BU per acre (3.2 LBS/1000 SF) of annual rye. For the period Moy 1 thru August 14. Seed with 3 LBS per ocre (.07 LBS/1000 SF) of Weeping Lovegross.

For the period November 16 thru February 28, protect site by: Applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in

Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydrosecder (slurry includes seed and fertilizer). Mulching: See Mulching Specification.

SEDIMENT CONTROL NOTES

Office of Inspections and Permits prior to the start of any

t minimum of 24 hours notice must be given to the Howard County

All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS

FOR SOIL AND EROSION CONTROL 3. Following initial soll disturbance or redisturbance, permanent or temporary stabilization shall be completed within : a) 7 calendar doys for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to

other disturbed or graded areas on the project site. All sediment traps/bosins shown must be fenced and worning signs
posted around the perimeter in accordance with Vol. 1, Chapter 12,
of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

5. All disturbed greas must be stabilized within the time period specified obove in occordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permonent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grosses.

1.92 acres 0.38 acres

1.54 ocres

6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control

7. Site Analysis:

construction (992-2437)

Total Area of Site Area to be roofed or paved Area to be veg. stabilized

635 cu.yds. 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same

9. Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control

 Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition. 11. Sediment will be removed form trops when its depth reaches clean out elevation shown on the plans. 12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do

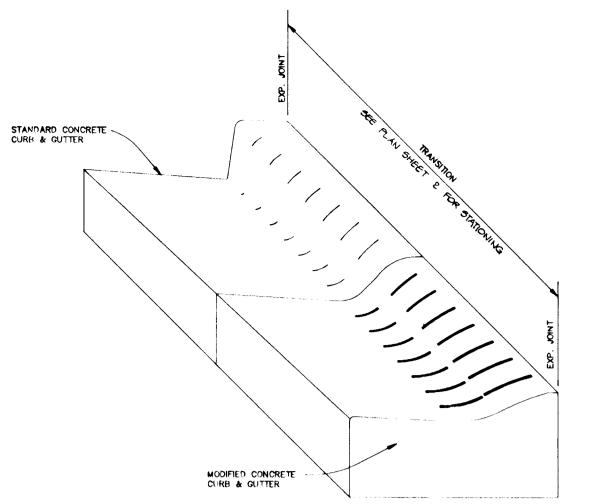
with site conditions which may affect the work. 13. Borrow site to be pre-approved by the sediment control inspector or, in cose of excess material, an approved sediment control plan will be needed to deposit excess material off-site.

NOTE: OC., CL. S.C. OR CH MATERIAL IS TO BE USED FOR CORE-TRENCH IF UNSUITABLE MATERIAL EXISTS ON SITE, ACCEPTABLE MATERIAL WILL NEED TO BE TRUCKED TO GET.

CORE TRENCH DETAIL

unsuitable material. The contractor shall familiarize himself

they reflect consideration of undercutting or removal of



CONCRETE CURB AND GUTTER TRANSITION

PROPOSED SETTLED

TOP OF DAM 554.50

2' MIN. DEPTH BELOW PIPE

6' MAX. SPACING OF 2"x4" SPACERS

10 YR WS EL 358.60

PROPOSED CONSTRUCTED TOP OF DAM 854.80

100 YR WS EL 353.45

EXISTING GROUND

CORE TRENCH 4' MINIMUM DEPTH AND WIDTH -

PROFILE ALONG CL OF EMBANKMENT

SCALE : HOR.-1"=50"

VERT.- 1"=5"

FILTER CLC IN

. MATERIALS

2"x4" WEIR

STONE, WITH WATER FULLY IMPOUNDED AGAINST IT

PASSAGE OF WATER AND REMOVAL OF SEDIMENT.

II. PROCEDURE (FOR CURB INLET PROTECTION)

2"x4" SPACER -

CONSTRUCTION SPECIFICATIONS

A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.

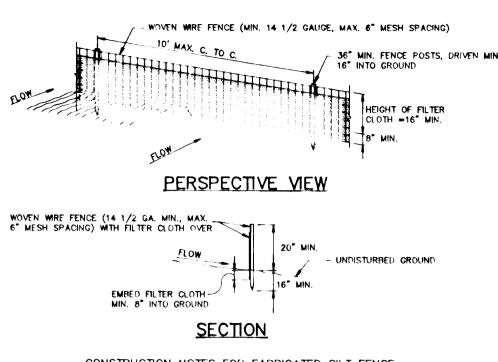
B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC, AND

C. FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE; RESISTANT TO SUNLIGHT WITH A SEIVE SIZE, EOS 40-85, TO ALLOW SUFFICIENT

D. STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH.

A. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30" MIN. WIDTH BY THROAT LENGTH PLUS 4') TO THE 2"x4" WEIR (MEASURING THROAT LENGTH PLUS 2') AS SHOWN ON THE STANDARD DRAWING.

B. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SEIVE) OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2"x4" WEIR.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE . Woven wire fence to be fostened securely to fence posts with wire ties or staples. . Filter cloth to be fostened securely to woven wire fence with ties spaced every 24" at top and mid section. 3. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.

PROP GRADE

352.65

15" RCCP CL III

 $Q_{10} = 7.47$ c.f.s. $V_f = 6.17$ f.p.s. $V_p = 17.08$ f.p.s.

2' MIN. LENGTH OF 2

#2 STONE -

FILTER CLOTH

STONE FILTER INLET PROTECTION

2"x4" WEIR -

STORM DRAIN PROFILE

UUALE HOR. - 1"=50' VERT. - 1"=5'

SANDBAG OR ALTERNATE WEIGHT

C. SECURELY NAIL THE 2"x4" WEIR TO 9" LONG VERTICAL SPACERS TO BE LOCATED BETWEEN THE WEIR AND INLET FACE (MAX. 6' APART).

D. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2' LENGTHS) OF 2"x4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS.
THESE 2"x4" ANCHOR'S SHALL EXTEND ACROSS THE INLET TOP AND BE HELD

E. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THRUAT OPENING.

F. FORM THE WIRE MESH AND FILTER CLOTH TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 2° STONE OVER THE WIRE MESH AND FILTER FABRIC IN SUCH A MANNER

AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE

H. ASSURE THAT STORM FLOW DOES NOT BYPASS INLET BY INSTALLING TEMPORARY

G. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER

CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT

IN PLACE BY SANDRAGS OR ALTERNATE WEIGHT.

2"x4" SPACER

INLET

TO PIPE

10 YR. W.S. EL. 352.60

INFILTRATION/DETENTION

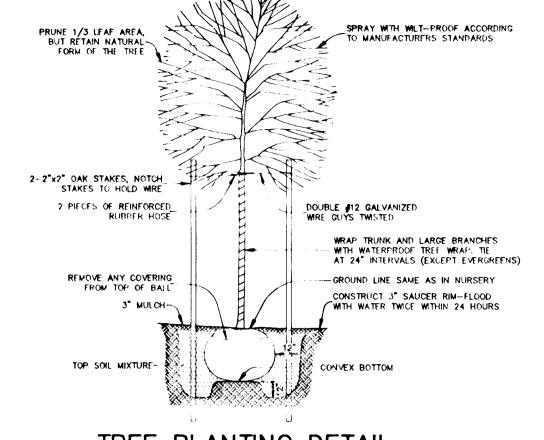
RIPRAP OUTLET PROTECTION

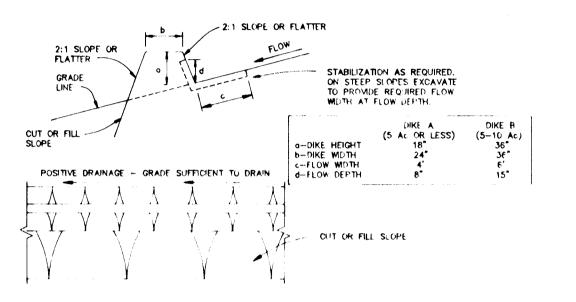
SEE DETAIL THIS SHEET

4. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence. POSTS: Steel, either T or U type or 2" hordwood.
FENCE: Woven wire, 14 Ga., 6" max. mesh opening.
FILTER CLOTH: Filter X, Mirofi 100X, Stobilinko T140N or approved equal. PREFABRICATED UNIT: Geofab, Envirofence or approved equal

> SILT FENCE DETAIL NO SCALE

SASSAFRAS





CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT

2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET 3. TOP MOTH MAY BE MOER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO

FACILITATE CROSSING BY CONSTRUCTION TRAFFIC. 4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STARILIZED SAFE

5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A WINIMUM OF FROSION RUNORE SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SLICH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OF

THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED 6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

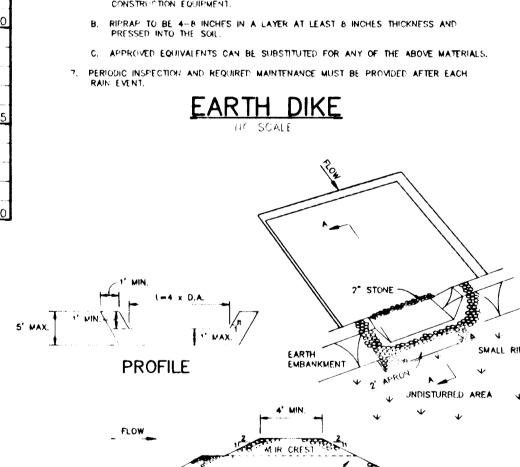
ELOW CHANNEL STABILIZATION TYPE OF TREATMENT GRADE 6.5-3.0% SEED & STRAW MULCH SEED & STRAW MULCH SEED & STRAW MULCH SEED USING JUTE, OR 3.1-5.0%

SEED WITH JUTE, OR

8.1-20% LINED RIPRAP 4-8" ENGINEERED DESIGN A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER

LINED RIPRAP 4-8"

AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.



EXCAVATE FOR REQUIRED STORAGE CROSS SECTION A-A

OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH. CONSTRUCTION SPECIFICATIONS

I. AREA UNDER EMBADIKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEANED. 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING

WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED 3. ALL OUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.

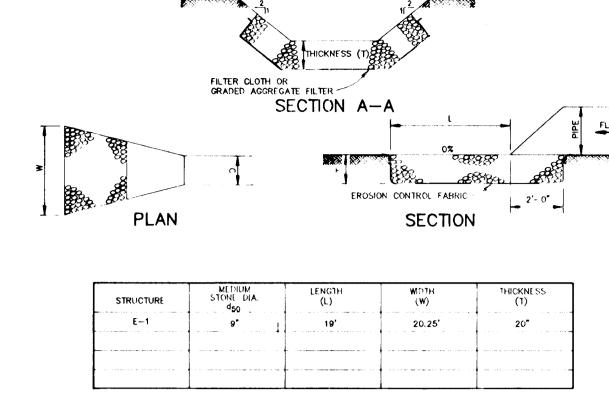
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1'
THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.

5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.

6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS 7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAN EROSION

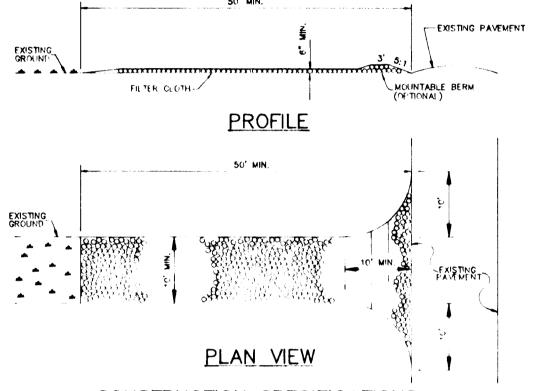
AND WATER POLLUTION IS MINIMIZED. 8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE

STONE OUTLET SEDIMENT TRAP



RIPRAP TO BE EMBEDDED IN PROPOSED TRANSITION SECTION

RIPRAP OUTLET PROTECTION DETAIL NU SCALE



CONSTRUCTION SPECIFICATIONS

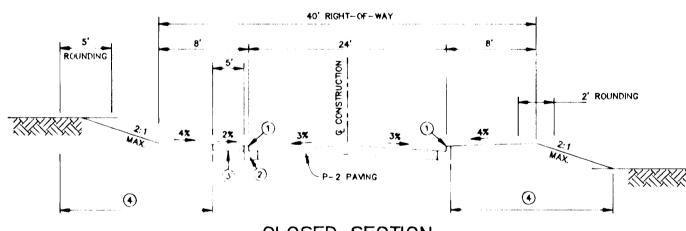
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum would apply). 3. Thickness - Not less trian six (6) inches.
4. Width - Ten (10) fact minimum, but not less than the full width at points where Ingress and egress occurs.

5. Filter Cloth All be placed over the entire area prior to placing of stone. Filter cloth Will not be required on a single family residence lot.

6. Surface Water - All surface water flowing or diverted to mountable berm with shall be piped across the entrance. If piping is impracion, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment anto public rights—of—way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of ny menyures used to true sediment. All sediment sullied dropped washed or trucke onto public rights of wry must be removed immediately. 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance anto public rights- of- way. When working is required, it shall be done on an orea stabilized with stone and which drains into an approved sediment tropping device.

STABILIZED CONSTRUCTION ENTRANCE

9. Periodic inspection and needed maintenance shall be provided after each roln.



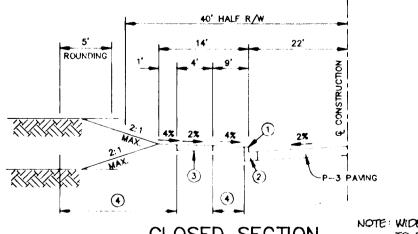
CLOSED SECTION

(1) PROFILE GRADE LINE (PGL), SEE DESIGN MANUAL. TYPE OF CURB IS STANDARD CURB & GUTTER FROM CL STA 0+22 TO CL STA 0+45 AND FROM LP STA 0+00 TO LP STA 2+36 AND MODIFIED COMBINATION CURB AND GUTTER. FROM CL STA 0+55 TO CL STA 2+26 3 4° CONCRETE SIDEWALK ON ONE SIDE OF ROAD AS REQUIRED BY THE SUBDIVISION REGULATIONS.

4 INDICATES 2" TOPSOIL, SEED AND MULCH.

MODIFIED TYPICAL SECTION SASSAFRAS COURT

SASSAFRAS COURT - FROM STA 0+00 TO STA 2+36 25 MPH DESIGN SPEED



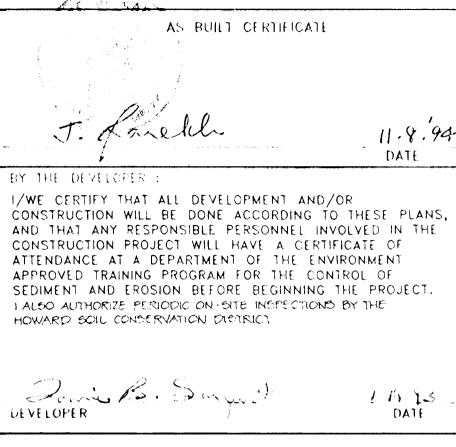
NOTE: WIDENING OF GUILFORD ROAD CLOSED SECTION TO BE PERFORMED AS PER STO DETAIL R 10.01 (1) PROFILE GRADE LINE (PGL), SEE DESIGN MANUAL.

(2) STANDARD COMB. CURB & GUTTER.

(3) 4" CONCRETE SIDEWALK AS REQUIRED BY SUBDIVISION REGULATIONS. (4) INDICATES 2" TOPSOIL, SEED AND MULCH.

TYPICAL HALF SECTION GUILFORD ROAD

GUILFORD ROAD - FROM STA 31+04 TO STA 34+53 40 MPH POSTED SPEED LIMIT



BY THE ENGINEER

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

INS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

: HOWARD COUNTY DEPARTMENT OF PLANNING

LAND DEVELOPMENT

WORKS.

Munax Allonal CHIEF, DIVISION OF COMMUNITY PLANNING AND

APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC

all Commen CHIEF. LAND DEVELOPMENT DIVISION CHIEF, BUREAU OF HIGHWAYS

week & Trees CHIEF, BUREAU OF ENGINEERING

OWNER / DEVELOPER

REVISION DATE

> IRENE S. COLFS c/o SARGENT DEVELOPMENT CORP. I 13243 WESTMEATH LANE CLARKSVILLE, MARYLAND 21029

2-19-93

PROJEC1 **COLES PROPERTY**

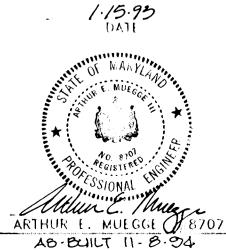
AREA TAX MAP NO. 42 PARCEL 12 & 1/0 3/3 ZONED R-SO 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LOTS 1 THRU 15

DETAIL SHEET

5- 92-19

A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive • Suite 200 • Columbia, Md 21045 410-997-8900 FAX: 410-997-9282



DESIGNED BY : CUR DRAWN BY : DAM PROJECT NO: 84502

> DATE: JANUARY 15, 1993 SCALE : AS SHOWN

F-93-28

DRAWING NO. 4 OF 4